

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/593,383
Source: 1 FWP
Date Processed by STIC: 9/27/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/27/2006

PATENT APPLICATION: US/10/593,383

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09272006\J593383.raw

```

3 <110> APPLICANT: BioVentures, Inc.
4     Dawson, Elliot P.
5     Womble, Kristie E.
7 <120> TITLE OF INVENTION: Method and Substances for Isolating miRNAs
9 <130> FILE REFERENCE: 16304-1US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/593,383
C--> 11 <141> CURRENT FILING DATE: 2006-09-19
11 <150> PRIOR APPLICATION NUMBER: 60/709,861
12 <151> PRIOR FILING DATE: 2005-08-19
14 <150> PRIOR APPLICATION NUMBER: PCT/US06/32264
15 <151> PRIOR FILING DATE: 2006-08-18
17 <160> NUMBER OF SEQ ID NOS: 41
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 18
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: synthetic adapter segment
29 <400> SEQUENCE: 1
30 atttaggtga cactatag                                     18
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 20
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: synthetic adapter segment
41 <400> SEQUENCE: 2
42 ccctatagtg agtcgtatta                                   20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 22
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: synthetic miRNA binding segment
53 <400> SEQUENCE: 3
54 aactatacaa cctactacct ca                                22
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 22
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: synthetic miRNA binding segment

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```

65 <400> SEQUENCE: 4
66 aaccacacaa cctactacct ca 22
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 22
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: synthetic miRNA binding segment
77 <400> SEQUENCE: 5
78 aaccatacaa cctactacct ca 22
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: synthetic miRNA binding segment
89 <400> SEQUENCE: 6
90 actatgcaac ctactacctc t 21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 21
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic miRNA binding segment
101 <400> SEQUENCE: 7
102 actatacaac ctctacctc a 21
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 22
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: synthetic miRNA binding segment
113 <400> SEQUENCE: 8
114 aactatacaa tctactacct ca 22
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: synthetic miRNA binding segment
125 <400> SEQUENCE: 9
126 actgtacaaa ctactacctc a 21
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: synthetic miRNA binding segment
137 <400> SEQUENCE: 10

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138 acagcacaaa ctactacctc a 21
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 22
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: synthetic miRNA binding segment
149 <400> SEQUENCE: 11
150 cacaagtctg gatctacggg tt 22
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 22
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: synthetic miRNA binding segment
161 <400> SEQUENCE: 12
162 cttcagttat cacagtactg ta 22
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 61
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: synthetic capture probe
173 <400> SEQUENCE: 13
174 atttaggtga cactatagaa actatacaac ctactacctc accctatagt gagtcgtatt 60
176 a 61
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 56
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: synthetic capture probe
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (19)..(36)
191 <223> OTHER INFORMATION: n is a, c, g, or t
193 <400> SEQUENCE: 14
W--> 194 atttaggtga cactatagnn nnnnnnnnnn nnnnnnccct atagtgagtc gtatta 56
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 57
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: synthetic capture probe
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (19)..(37)
209 <223> OTHER INFORMATION: n is a, c, g, or t
211 <400> SEQUENCE: 15

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W--> 212 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnccc tatagtgagt cgtatta      57
215 <210> SEQ ID NO: 16
216 <211> LENGTH: 58
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: synthetic capture probe
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <222> LOCATION: (19)..(38)
227 <223> OTHER INFORMATION: n is a, c, g, or t
229 <400> SEQUENCE: 16

W--> 230 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnccc ctatagtgag tcgtatta      58
233 <210> SEQ ID NO: 17
234 <211> LENGTH: 59
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: synthetic capture probe
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (19)..(39)
245 <223> OTHER INFORMATION: n is a, c, g, or t
247 <400> SEQUENCE: 17

W--> 248 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnnnc cctatagtga gtcgtatta      59
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 60
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: synthetic capture probe
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (19)..(40)
263 <223> OTHER INFORMATION: n is a, c, g, or t
265 <400> SEQUENCE: 18

W--> 266 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn ccctatagtg agtcgtatta      60
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 61
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: synthetic capture probe
278 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
280 <222> LOCATION: (19)..(41)
281 <223> OTHER INFORMATION: n is a, c, g, or t
283 <400> SEQUENCE: 19

W--> 284 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn nccctatagt gagtcgtatt      60

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286 a 61
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 62
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: synthetic capture probe
298 <220> FEATURE:
299 <221> NAME/KEY: misc_feature
300 <222> LOCATION: (19)..(42)
301 <223> OTHER INFORMATION: n is a, c, g, or t
303 <400> SEQUENCE: 20
W--> 304 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn nncctatag tgagtcgtat 60
306 ta 62
309 <210> SEQ ID NO: 21
310 <211> LENGTH: 60
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: synthetic capture probe
317 <400> SEQUENCE: 21
318 atttaggtga cactatagaa ctatacaacc tcctacctca ccctatagtg agtcgtatta 60
321 <210> SEQ ID NO: 22
322 <211> LENGTH: 63
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: synthetic capture probe
329 <400> SEQUENCE: 22
330 atttaggtga cactatagag ctacctgcac tgtaagcact tttccctata gtgagtcgta 60
332 tta 63
335 <210> SEQ ID NO: 23
336 <211> LENGTH: 60
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: synthetic capture probe
343 <400> SEQUENCE: 23
344 atttaggtga cactatagac gcgtaccaa agtaataatg ccctatagtg agtcgtatta 60
347 <210> SEQ ID NO: 24
348 <211> LENGTH: 62
349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: synthetic capture probe
355 <400> SEQUENCE: 24
356 atttaggtga cactatagat cacataggaa taaaagcca taccctatag tgagtcgtat 60
358 ta 62
361 <210> SEQ ID NO: 25

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RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/593,383

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36
 Seq#:15; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37
 Seq#:16; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
 Seq#:17; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
 Seq#:17; N Pos. 39
 Seq#:18; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
 Seq#:18; N Pos. 39,40
 Seq#:19; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
 Seq#:19; N Pos. 39,40,41
 Seq#:20; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
 Seq#:20; N Pos. 39,40,41,42

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:26

VERIFICATION SUMMARY

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Input Set : A:\Sequence Listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0